ATION TREATY

MAY 3 1 2006

PCILLS SINGLE OF TRANSMITTAL OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

SEARCHING AUTHORITY, OR THE DECLARATION

SEARCHING AUTHORITY, OR THE DECLARATION

MAY 3 1 2006

MAY 3 1 2006

THE MAY 3 1 2006

THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

SEARCHING AUTHORITY, OR THE DECLARATION

From the INTERNATIONAL SEARCHING AUTHORITY

H.T. THAN
THE H.T. THAN LAW GROUP
1010 WISCONSIN AVENUE, NW.
SUITE 560
WASHINGTON, DC 20007

Date of mailing (day/month/year)

(PCT Rule 44.1)

		_															
Alexandria, Virginia 22313-1450	Mail Stop PCT, Atm: ISA/US Commissioner for Patents	Name and mailing address of the ISA/ US	In respect of omer designated Offices, the time time to be months (or taker) will apply even it no demand is the within 19 months.  See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide Volume II, National Chapters and the WIPO Internet site.	Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.	The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.		no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made	3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the	2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith	For more detailed instructions, see the notes on the accompanying sheet	Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70.	When? The time limit for filing such amendments is norn search report.	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the classis of the international application (see Rule 46).	The applicant is hereby notified that the international see have been established and are transmitted herewith.	Applicant SOCIETE BIC	International application No. PCT/US04/25426 (	Applicant's or agent's file reference BIC-016.PCT
Telephone No. (571) 272-3750	KEVINI. 15 Showed / Onene gr	Authorized officer	ble time limits, Office by Office, see the PCT Applicant's Guide,	orme designated Offices, a demand for international pretiminary ry into the national phase until 30 moaths from the priority date 0 moaths from the priority date, perform the presembed acts for	written opinion of the International Searching Authority to the such comments to all designated Offices unless an international se comments would also be made available to the public but not se comments would also be made available to the public but not	international application will be published by the International notice of withdrawal of the international application, or of the establishment of the completion of the establishment $0.066$ ,	nt will be notified as soon as a decision is made.	regard to the protest against payment of (am) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the international Bureau together with the applicant's	port will be established and that the declaration under ternational Searching Authority are transmitted herewith.	npanying sheet.	. Alemin des Colombettes (-22) 338.82.70	The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.	of the international application (see Rule 46):	ort and the writ again of the International Searching Authority		International filing date (day/mr~1/h/year) 26 July 2004 (26.07,2004)	FOR FURTHER ACTION See paragraphs 1 and 4 below

Facsimile No. (571) 273-3201 Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

H.T. THAN
THE H.T. THAN LAW GROUP
1010 WISCONSIN AVENUE, NW.
SUITE 560
WASHINGTON, DC 20007

To:

From the INTERNATIONAL SEARCHING AUTHORITY

Telephone No. (571) 272-3750	P. O. Box 1450  Facsimile No. (571) 273-2301  Form PCT/ISA/220 (January 2004)
Authorized officer (KEVIN L. LES MALLON )	Name and mailing address of the ISA/ US Mail Stop PCT, Ann: ISA/US Commissioner for Patents
is (or later) will apply even if no demand is plicable time limits, Office by Office, see	In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.  See the Annex to Form PCfT/REJ301 and, for details about the applicable time limits, Office by Office, see the PCf Applicant's Guide Volume II, National Chapters and the WIPO Internet site.
of some designated Offices, a dernand for entry into the national phase until 30 mo hin 20 months from the priority date, perfixin 20 months from the priority date.	Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.
the written opinion of the International S y of such comments to all designated Offic These comments would also be made avail	The applicant may submit comments on an informal basis on the written opinion of the international Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 menths from the priority date.
e, the international application will be publication of the internation, a notice of withdrawal of the internation Rules 90 <i>bis</i> . 1 and 90 <i>bis</i> . 3, respectively, be	Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the international Bureau as provided in Rules 90bts.1 and 90bts.3, respectively, before the completion of the echnical preparations for international publication.
he decision thereon to the designated Office, plicant will be notified as soon as a decision	request to forward the texts of both the protest and the decision thereon to the designated Offices.  no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.  4. Reminders
thonal fee(s) under Rule 40.2, the applicant i	VVIR regard to the protest against payment of (an) additional feets) under Rule 40.2, the applicant is notified that:     the notest needs with the decision thereon has been truesuffed to the International Rule 40.2, the applicant is notified that:
ch report will be established and that the dec he International Searching Authority are tran	
accompanying sheet.	For more detailed instructions, see the notes on the accompanying sheet.
O, 34 chemin des Colombettes .: (41-22) 338.82.70.	Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70.
s normally two months from the date of trans	When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
): aims of the international application (see Ru	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46).
rch report and the written opinion of the Int	The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.
	Applicant SOCIETE BIC
International filing date (day/month/year) 26 July 2004 (26.07.2004)	International application No. PCT/US04/25426
FOR FURTHER ACTION See paragraphs 1 and 4 below	Applicant's or agent's file reference BIC-016.PCT
Date of mailing 30 MAY 2006	
(PCT Rule 44, 1)	
NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION	THE H.T. THAN LAW GROUP 1010 WISCONSIN AVENUE, NW. SUITE 560 WASHINGTON, DC 20007

#### PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

g.	8 A	'n	-		e vi vi 4	- تا م	This i accor	SOCI	Appli BIC-C Intern PCT/I
	<u> </u>					lasts of	nternati	Applicant SOCIETE BIC	cant's o 16.PCI ational JS04/2:
as subgestion by the approximation as selected by this Authority, because the approximation as selected by this Authority, because this figure none of the figures is to be published with the abstract	With regard to the drawings, the figure of the drawings to be	With regard to the abstract,  the text is approved as submitted by the applicant, the text has been established, according to Rule 3: may, within one month from the date of mailing o		the text has been established	a translation of the international applic of a translation furnished for the purpo With regard to any aucleotide and/or amino acid Certain claims were found unsearchable (See B Unity of invention is lacking (See Box No. III) regard to the title,	Basis of the Report  a. With regard to the language, the	This international search report has been prepared by according to Article 18. A copy is being transmitted This international search report consists of a total of this international search report consists of a total of this international search report consists of a copy of the search report consists of a copy of the search report consists of a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report has been prepared by a copy of the search report consists of a total of the search report consists of the search report co	C	Applicant's or agent's file reference BIC-01-6PCT International application No PCT/US04/25426
as suggested by this Authority, because the applicant failed to suggest a figure.  as selected by this Authority, because this figure better characterizes the invention, as selected by this Authority, because this figure better characterizes the invention, the figures is to be published with the abstract.	th regard to the drawings, the figure of the drawings to be published with the abstract is Figure No. I(a)	gard to the abstract, the text is approved as submitted by the applicant. the text is approved as submitted by the applicant the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant the text has been established, according to Rule 38.2(b), by this Authority may, within one month from the date of mailing of this international search report, submit comments to this Authority		the text has been established by this Authority to read as follows:	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box No. II)  Unity of invention is lacking (See Box No. III)  gard to the title.	s of the Report  With regard to the language, the international search was carried out on the basis of the Report  the international application in the language in which it was filed.	This international search report has been prepared by this International Searching Authority and is according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of sheets.  It is also accompanied by a copy of each prior art document cited in this report.		FOR FURTHER  ACTION  International filing date (day/month/year) 26 July 2004 (26.07.2004)
gest a figure. izes the invention.	P.	y as it appears in Box No. IV. The applicant chreport, submit comments to this Authority.	₩		, which is the language arch (Rules 12.3(a) and 23.1(b)) the international application, see Box No. I.	asis of: iled.	This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the price price price at the		see Form PCT/ISA/220 us well as, where applicable, item 5 below.  Clearlies D. Priority Date (day/month/year)  29 July 2003 (29 07:2003)

## INTERNATIONAL SEARCH REPORT

International application No

ģ ť, ij 27 April 2006 (27.04.2006) Date of the actual completion of the international search ļ Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE. Minimum documentation searched (classification system followed by classification symbols) U.S.: 137/614.03,614.04,614 According to International Patent Classification (IPC) or to both national classification and IPC ۶ Category \* IPC: **4**| × document published prior to the international filing date but later than the priority date claimed document referring to an oral disclosure, use, exhibition or other means Further documents are listed in the continuation of Box C and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as earlier application or patent published on or after the international filing date ocument defining the general state of the art which is not considered to be of DOCUMENTS CONSIDERED TO BE RELEVANT FIELDS SEARCHED CLASSIFICATION OF SUBJECT MATTER F16L 37/28( 2006.01),37/32( 2006.01) Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450 Special categories of cited documents US 5,564,471 A (WILDER et al) 15 October 1996 (15.10.1996), column 5, lines 5-45 4, line 47. US 4,327,770 A (BROWN et al) 04 May 1982 (04.05.1982), column 3, line 38 thru column US 4,911,203 A (GARMS) 27 March 1990 (27.03.1990), column 1, line 65 thru column 2, 137/614.03,614.04,614 Citation of document, with indication, where appropriate, of the relevant passages ė ż Telephone No. (571) 272-3750 Date of mailing of the ķ Authorized officer KEVIN L. LEE See patent family annex. document member of the same patent family considered to involve an inventive step when the document is combine with one or more other such documents, such combination being obvious to a person skilled in the art document of particular relevance; the claimed investion cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention locument of particular relevance; the claimed invention cannot be PCT/US04/25426 1-3, 5-7, 12, 24, 25 and 1-3, 5-7, 13-16, 24, 25, 27-30, 34, 46 and 47 1-7, 13-20, 22, 23, 26, 34-36 and 45-47 Relevant to claim No.

Form PCT/ISA/210 (second sheet) (April 2005)

Facsimile No. (571) 273-3201

From the INTERNATIONAL SEARCHING AUTHORITY To:
H.T. THAN
H.T. THAN
H.T. THAN LAW GROUP
1010 WISCONSIN AVENUE, N.W.
SUITE 560 Applicant USPC PCT/US04/25426 International application No. BIC-016.PCT Applicant's or agent's file reference WASHINGTON, DC 20007 International Patent Classification (IPC) or both national classification and IPC F16L 37/28( 2006.01),37/32( 2006.01) 137/614.03,614.04,614 26 July 2004 (26.07.2004) International filing date (day/month/year) Date of mailing FOR FURTHER ACTION INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE See paragraph 2 below 29 July 2003 (29.07.2003) Priority date (day/month/year) (PCT Rule 43*bis*.1) 30 MAY 2006

1. This opinio	on contains inc	1. This opinion contains indications relating to the following items:
Bos	Box No. I	Basis of the opinion
Вох	Box No. II	Priority
Вох	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
Вох	Box No. [V	Lack of unity of invention
⊠ Boy	Box No. V	Reasoned statement under Rule 43 <i>bis</i> . I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
Box	Box No. VI	Certain documents cited
Вох	Box No. VII	Certain defects in the international application
Box No. VIII		Certain observations on the international application

SOCIETE BIC

#### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.166(6) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply logether, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.

				Form PCT/ISA/237 (cover sheet) (April 2005)	
				Facsimile No. (571) 273-3201	
		Telephone No. (571) 272-3750		Alexandria, Virginia 22313-1450	
	1	,		P.O. Box 1450	
	1	VEAIN C. PEE	11 May 2006 (11.05.2006)	Commissioner for Patents	
	Truck of	mann 1.1 chang to		Mail Stop PCT, Attn: ISA/US	
	7	Authorized offige	Date of completion of this opinion   Authorized offiger	Name and mailing address of the ISA/ US	
	7				
•	_		C14C.	. For imitted delaits, see fioles to forth fig. 1/10/2/2/2/2	

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/25426

	ontained in the international application as filed.  filed together with the international application in electronic form.  furnished subsequently to this Authority for the purposes of search.  In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been file or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.  4. Additional comments:	b. format of material  on paper  in electronic form  c. time of filing/furnishing	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claims invention, this opinion has been established on the basis of:     a. type of material     a sequence listing     table(s) related to the sequence listing	With regard to the language, this opinion has been established on the basis of:     the international application in the language in which it was filed     a translation of the international application into which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
	listing and/or table(s) relating uent or additional copies is ropriate, were furnished.		ternational application and n	guage of a translation furnishe
* * * * * * * * * * * * * * * * * * * *	identical to that in th		scessary to the claims	d for the purposes of

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/25426

Please See Continuation Sheet Citations and explanations: Statement Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Novelty (N) Industrial applicability (IA) Inventive step (IS) Claims NONE Claims 1-98 Claims 1-7, 12-15, 16-30, 34-36 and 45-47 Claims 8-11, 31-33, 37-44 and 48-98 Claims 1-7, 12-20, 22-30, 34-36 and 45-47 Claims 8-11, 21, 31-33, 37-44 and 48-98 YES Z ď YES ď YES

Form PCT/ISA/237 (Box No. V) (April 2005)

International application No.

PCT/US04/25426

Box No. VIII Certain observations on the international application

In claims 27 and 33, the recitations of "the space" and "the filter material," respectively, lack antecedent basis. The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

#### INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE

International application No PCT/US04/25426

In case the space in any of the preceding boxes is not sufficient Supplemental Box

Claims 1-3, 5-7, 12, 24, 25 and 34-36 lack novelty under PCT Article 33(2) as being anticipated by Wilder et al. Wilder et al teaches a valve comprising a first valve component (22) and a second valve component (24), the components each connectable to either a fuel supply or a fuel cell, each valve valve proponent (abstract of 38, 98). The seal (72) on the bousing (36) of the valve component (22) provides an inter-component seal with the housing (28) of the valve component (24). Claims 1-3, 5-7, 13-16, 24, 25, 27-30, 34, 46 and 47 lack novelly under PCT Article 33(2) as being anticipated by Brown et al. Brown et al caches a valve comprising a first valve component (28) and a second valve component (30), the component cach connectable to either a fuel supply or a fuel cell, each valve component having a biased slidable inner body (38, 98). V. 2. Cliations and Explanations:
Glams 1-7, 13-20, 22, 23, 26, 34-36 and 45-47 lack novelty under PCT Article 33(2) as being anticipated by Garms. Garms teaches a Claims 1-7, 13-20, 22, 25, 3-6, 34-36 and 45-47 lack novelty under PCT Article 33(2) as being anticipated by Garms. Garms teaches a fuel valve component a fuel valve component (12) and a second valve component (14), the components each convectable to either a fuel valve component having a biased slidable more body (30, 42). The slidable timer body (42) is a sphere that supply or a fuel cell, each valve component having a biased slidable more body (30, 42). The slidable timer body (42) is a sphere that engages a seal (48)

Claim 21 lacks and inventive step under PCT Article 33(3) as being obvious over Garms. It would not have involved an inventive step to

Claims 8-11, 21, 31-33, 37-44 and 48-98 have novelty under PCT Article 33(2) because the prior art, taken singly, does not teach or form the ball valve (42) out of an elastomeric material to provide a lightweight valve.

Claims 8-11 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest providing an elastomeric spring in a valve coupling comprising a first and second valve component wherein each component has a biased slidable inner body cooperating with a sealing member. tairly suggest the invention as claimed

Claims 37, 38 and 89 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a valve Claims 31-33 and 85-88 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest providing a fluid retention material capable of retaining liquid in at least one of the valve components of a valve comprising first and second valve

Form PCT/ISA/237 (Supplemental Box) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/25426

Supplemental Box In case the space in any of the preceding boxes is not sufficient.

comprising a first and second valve component, the valve components each having a slidable inner body cooperating with a sealing member to form an internal seal, the internal seals being opened or provided by a pump.

Claims 39-42 and 79-54 meet the criteria set out in PCT Article 33(2) because the prior at does not teach or fairly suggest a value comprising a first and second value component, the value components each having a slidable inner body cooperating with a sealing member to form an internal seal, the value further comprising at least one of the value components having a second internal seal. The second internal seal comprises a duckbill valve.

Claims 43, 44 and 90-98 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a valve comprising a first and second valve component, the valve components each having a slidable inner body cooperating with a sealing, member to form an internal seat, the valve further comprising a leading member sized and dimensioned to limit access to the internal seal

Claims 48-50 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest a valve comprising a first and second valve component, the valve components each having a stidable timer body cooperating with a sealing member to form an internal seal, the valve further including a covering member for at least one of the valve components.

Claims 31-78 meet the criteria set out in PCT Article 33(3) because the prior art does not teach or fairly suggest providing a filler material in a valve comprising a first and second valve component, the valve components are ablased selected, the filler material contained within each sleeve to form a fluid flow path through the valve when the valve components are complete together.

be made or used in industry. Claims 1-98 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can

## NOTES TO FORM PCT/ISA/220 (continued)

The latter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- the claim is unchanged:
- 3 the claim is cancelled;
- 3
- 3 the claim is the result of the division of a claim as filed. the claim replaces one or more claims as filed;
- The following examples illustrate the manner in which amendments must be explained in the accompanying
- (Where originally there were 48 chaims and after amendment of some claims there are 51): Claims 1 to 29, 12, 24, 35, 37 to 48 replaced by amended claims bearing the same numbers: claims 30, 33 and 36 unichanged; new claims 49 to 51 added.
- Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding (Where originally there were 15 claims and after amendment of all claims there are 11): "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where various kinds of amendments are made]; "Claims 1-10 unchanged; claims 1-10 unchanged; claims 1-103 18 and 19 cancelled; claims 10 and 16 replaced by amended claims 11 and 17; new claims 20 and 21 added." claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added." "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."

The statement will be published with the international application and the amended claims. The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)). "Statement under Article 19(1)" (Rule 46.4)

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sincer and must be identified as such by a heading, preferably by using the worlds. 'Statement under Article (9(1))"

It may not contain any disparaging comments on the international search report of the relevance of citations contained in that report. Reference to citations on the true was a search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments sud any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Poliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a proliminary Examining Authority a copy of such amendments (and off any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 53.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Enternational Bureau under Rute 66.18x(b), be international Searching Authority and where it has religionate from the considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the expirate to be a written opinion to the International Examining Authority. If a demand is made, the applicant rady submit to the International Examining Authority and the written opinion together, where appropriate, with amendments of 2 months from the propriate from the date of mailing of Form where appropriate, with amendments of 2 months from the priority date, whichever expires later (Rute 43 bis. I(c)).

# Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as fired.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide,

### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes have based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative fratructions to the activity on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative fratructions under that Treaty. In each of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

Administrative Instructions, respectively In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT

# INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search from and the written opinion of the international search from Anthonity, one opportunity to amend the claims of the international application and drawings) may be amended during that, since all parts of the international application (application and drawings) may be amended during that, since all parts of the claims and application (claims) and drawings) may be amended during the international prediction of the same of the claims under Article 19 international profits and protection of the amendments of the claims under Article 19 except where e.g., the applicant profits after the purposes of provisional protection of the amendable in some States only (see PCT Applicant's Guide, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see PCT Applicant's Guide, Volume I/A, paragraph 296).

#### What parts of the international application may be amended? Under Article 19, only the claims may be amended.

During the international phase, the claims nivy also be amunded (or further argended) under Article 34 before the international Preliminary Examining Author & The description and drawings may only be amended under Article 34 before the international Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

### Where not to file the amendments?

The amendments may only be filed with the International Bureau International Searching Authority (Rule 46.2). and not with the receiving Office or the

Where a demand for international preliminary examination has been is filed, see below

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

How?

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are ranumbered, they must be renumbered consecutively (Section 2016b). amendments, differs from the sheet originally filed A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

The amendments must be submitted with a letter. Letter (Section 205(b)):

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French. The letter will not be published with the international application and the amended claims. It should be seen that the "Statement under Article 19(1)"), under "Statement under Article 19(1)"). It should not be